



EDI® Solutions for Hot Melt Applications

Slot Coating Systems Designed to Maximize Profitability

Save Coating Costs

with Custom-Designed Ultracoat™ Slot Dies

Nordson custom designs our slot dies for each customer's specific fluid. By tailoring the die's manifold, we ensure each fluid is uniformly distributed onto the substrate. This is important because uniform fluid distribution within the required thickness tolerance results in minimal material usage, saving fluid and cost.

Improve Coating Performance

with a Closed-Loop Slot Die System

Nordson slot dies, combined with our die positioning stations, provide the ultimate defense against contamination and volatiles in the coating process. Optional rotary rod tooling may be included to help clear the gels that can be formed in hot melts, resulting in a streak-free coating.

Optimize Production

to Maximize Your Profitability

Nordson slot die systems enable the precise application of various hot melts. Our slot dies may be designed for large process windows, allowing operations to use a variety of fluids for different widths and coat weights. Slot dies are also easy to use and require minimal operator adjustment to obtain repeatable results.

Achieve *Superior*
Accuracy



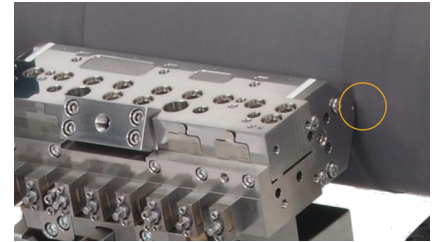
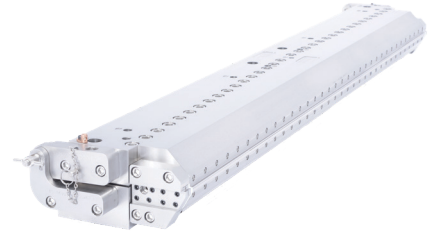
Deliver Precise Coatings *with Ultracoat™ Slot Die Systems*

Ultracoat™ V Flexible Lip Slot Dies

- Ideal for applications with a target coating thickness of 0.050mm (0.002") or greater and a coat weight thickness of ± 1.75 -3.5% (with a backing roll)
- Also available for applications with larger coating width and/or lane coating requirements
- Fixed wet coating lip face
- Streamlined secondary manifold for improved distribution of fluid
- Thermal equalization adjustment capabilities
- Optional Autoflex™ automatic lip adjustment system reduces gauge variation and increases product yield when paired with a processor-based gauging system

Optional Rotary Rods for Ultracoat™ V Flexible Lip Slot Dies

- Rotary rods are designed to clear gels in the coating fluid, preventing them from causing defects
- The rods also help distribute wear over a large area of the die lips, helping to maintain the critical coating bead requirements
- Rotary rods are easily replaced when used with a Modular Coating Station



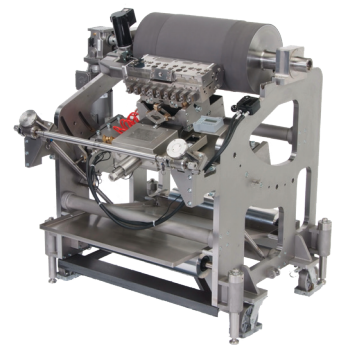
Ultracoat™ II Flexible Lip Slot Dies

- Ideal for applications with a target coating thickness of 0.050mm (0.002") or greater and a coat weight tolerance of $\pm 5\%$ (with a backing roll)
- 45° lip adjustments (accessibility depending on die orientation)



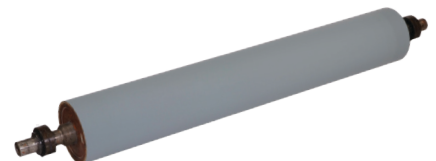
Ultracoat™ Support System

- Ultracoat™ support systems ensure precise, uniform, and repeatable coatings
- Repeatability of $\pm 2.00\mu$
- Pneumatic actuation via air cylinders
- On-Coat/Off-Coat: 152.4mm (6.00")
- Splice Jump: 12.7mm (0.50")
- Standard Angle of Attack: $\pm 5^\circ$
- Modular Coating Station (*shown*) includes side frames, coating roll, idler rolls, and angle of approach feature



Rubber Backing Roll

- Rubber backing rolls are designed to minimize deflection during the coating process
- Rolls may be undercut for better contact at the application area
- Total Indicated Run-out (TIR) of 25.4 μ m is standard



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